

A vertical strip on the left side of the page shows a close-up of a green cylindrical object, likely a ship's tank, with a metal fitting and a small circular hatch visible.

Cleaning, Maintenance and Biochemicals

CLEANING AND MAINTENANCE

Problem and solution summary

Problem	Solution	Product(s)
CARGO TANK/HOLD		
Cargo tank cleaning after mineral oils	Solvent emulsion	Seaclean Plus
Cargo tank cleaning after drying, semi-drying and non-drying natural oils and fats	Saponifying and detergents	Alkleen Liquid Alkleen S. Liquid
Cargo tank cleaning after petrochemicals and light hydrocarbons	Detergents	Alkleen S. Liquid Aquabreak PX Unipol
Cargo tank cleaning after general chemical cargoes	Refer to Tank Cleaning Manual	Product choice depends on type of cargo, please consult UNITOR Tank Cleaning Manual
Fuel and lube oil tank cleaning	Tank cleaners for Rock&Roll cleaning method	Seaclean Plus
Hydrocarbon gas-freeing	Following normal or specific cleaning, wash with water based cleaner solution	Alkleen Liquid Alkleen S. Liquid Tankleen Advance
Cargo hold cleaning	Water based cleaner	Aquatuff / Aquatuff High Foam Aquabreak PX
Cleaning chemicals run off from vertical surfaces	Combine alkaline cleaners with a foam additive	Foam-agent
Cargo tank/hold sanitising and deodorizing	Wash with water based cleaner solution	Alkleen Liquid Alkleen S. Liquid Tankleen Advance
Oil spills on sea, in harbors, beaches and rocky shores	Low toxic, biodegradable oil spill dispersants	Seacare OSD Seacare Ecosperse 52
Removal of small oil spills on board	Sorbents + cleaning	Unitor Sorbents Seacare OSD Aquabreak PX
Cleaning and upgrading of coatings	Special purpose organic liquid	Zinc Coat Conditioner
Light cement stains	Liquid detergent containing strong inorganic acid	Metal Brite Metal Brite HD
Solidified cement	Clean with a solution of inorganic inhibited acid	Descaling liquid
Rust removal/metal surface brightener	Clean with a solution of inorganic inhibited acid	Metal Brite Metal Brite HD Tankleen Bright
White residue from epoxy-coating (after carriage of fatty acids etc.)	Clean with a solution of inorganic inhibited acid	Tankleen Bright
Cleaning of reefer containers and reefer cargo holds	Water based cleaner and disinfectant	Reefer Cleaner
Removal of sediments, silts and mud from ballast tanks	Special purpose polymer	Mud & Silt Remover

ENGINE ROOM

Cleaning of bilges, machinery spaces, bulkheads, tank tops and any oil/grease soiled areas	Self-splitting solvent based cleaner	Cleanbreak
Cleaning fuel/lube oil filters	Ultrasonic bath	Aquabreak PX Unitor USC Enviroclean
Cleaning machinery parts	Ultrasonic bath	Aquabreak PX Unitor USC Enviroclean
Degreasing marine diesel engine cooling water systems	Solution of solvent emulsion cleaners	Seaclean Plus
Removal of grease and carbon based deposits from turbocharges and from the air side of air coolers or heat exchangers	Special purpose cleaner	Air Cooler Cleaner ACC Plus Carbon Remover Carbonclean LT
Cleaning the oil side of the lube and fuel oil heat exchangers	Solvent emulsion cleaners of fuel oil treatment compound	Seaclean Plus Fuel Care
Removal of water scale from heat exchangers and boilers	Inhibited acid cleaners	Descaling Liquid Descalex
Cleaning of separator disc stacks	Clean with a solution of inorganic inhibited acid	Disclean
General removal of carbonaceous oil, varnish and grease residue	Special purpose solvents	Air Cooler Cleaner ACC Plus Carbon Remover Carbonclean LT
Removal and passivation of rust and oxidation from ferrous and non-ferrous metals	Use of a solution of inorganic inhibited acid	Metal Brite Metal Brite HD
Cleaning of new boilers and cooling systems	Special purpose water based cleaner	Commissioning Cleaner
Cleaning electrical apparatus	Ultrasonic bath	Electrosolv-E
Effluent treatment	De-emulsification + flocculation	Bilge Water Flocculant

DECK

Brightening up wooden decks	Special powder based product	Teak Renewer
Rust stains from painted, ceramic and wooden surfaces	Clean with a solution of inorganic inhibited acid	Metal Brite Metal Brite HD
Oxide stains on brass, aluminium and stainless steel	Clean with a solution of inorganic inhibited acid	Metal Brite Metal Brite HD
Light rust removal	Clean with a solution of inorganic inhibited acid	Metal Brite Metal Brite HD

Heavily rust removal	Liquid detergent containing strong inorganic acid	Descaling Liquid
Paintwork cleaning	Wash with water based cleaner solution	H.P. Wash Aquabreak PX Fore&Aft Metal Brite
ACCOMODATION		
General shipboard cleaning	General purpose water based cleaners	H.P. Wash Aquabreak PX Fore&Aft Uniwash
General accommodation cleaner	General purpose water based cleaners	Aquabreak PX Fore&Aft Uniwash
Carpets cleaning (spot + deodorizing)	Odor eliminator + cleaning through microbial activity	Gamazyme BOE*
Carpet cleaning	Special water based cleaner	Carpet Cleaner
Cleaning bathrooms	Special purpose bacterial formulation	Gamazyme MSC
Descaling of toilet bowls, drain and pipes	Special acid and bacteria based product	Gamazyme Toilet Descaler
Cleaning toilets	Special purpose bacterial formulation	Gamazyme BTC
GALLEY		
Removal of odor from garbage and waste collection areas	Odor eliminator + cleaning through microbial activity	Gamazyme BOE*
Floor cleaning - fat elimination/reduced slippage and increased safety in galley area	Special purpose bacterial formulation	Gamazyme FC
Cleaning of reefer rooms	Water based cleaner and disinfectant	Reefer Cleaner*
General cleaning	General purpose water based cleaners	Fore&Aft Uniwash Gamazyme MSC
MISCELLANEOUS		
Sewage treatment	Flocculation + dewatering	Bilge Water Flocculant
Foaming in sewage and waste systems	Non-silicone defoamer	Defoamer Concentrate*
Low biological activity in sewage treatment plants and systems	Special purpose bacterial formulation	Gamazyme 700 FN
Grease accumulation in drain lines, grease traps and floor drains	Special purpose bacterial formulation	Gamazyme Digestor*
Loosen corroded parts as nuts, bolts etc.	High speed penetrating oil	Penetron Plus
*) Also available as Bag in a box (Cruise)		